



DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
WASHINGTON, DC 2036L 0001

IN REPLY REFER TO
NAVAIRINST 10350.3A
ATR-5304
31 Aug 87

NAVAIR INSTRUCTION 10350.3A

From: Commander, Naval Air Systems Command

Subj: USE OF LUBRICANTS, FLUIDS, AND COMPOUNDS

Ref: (a) NAVSUPINST 4120.38B (NOTAL)
(b) MTL-STD-838, Lubrication of Military Equipment
(c) MTL-HDBK-275, Guide for Selection of Lubricant Fluids
and Compounds for Use in Flight Vehicles and Components
(d) Data Item Description UDI-P-21274, Lubrication List

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1. Purpose. This instruction implements reference (a) and establishes the requirement to control the use and entry of lubricants on new designs and procurements by imposing the selection criteria described in reference (b).

2. Cancellation. This instruction supersedes NAVAIR Instruction 10350.3 of 7 October 1980.

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3. Background. The maintenance of a large stock of different lubricants many of which are used in relatively small quantities, has caused serious procurement, supply and logistics problems, particularly during periods when petroleum based products are difficult to obtain. The proliferation of lubricants has occurred mainly because reference (b) has not been consistently invoked to require the use of standard lubricants in connection with new designs and the procurement of military equipment.

4. Definitions

a. Lubricant. The term lubricants as stated herein is defined as any solid, fluid, or semifluid material that performs a lubricating or related specialty function. Such materials include lubricating oils, greases, hydraulic fluids, damping fluids, dielectric coolants, anti-seize compounds, corrosion preventives, and bonded or unbonded solid films.

b. Standard Lubricants. Standard lubricants as stated herein are defined as lubricants qualified or procured in accordance with federal or military specifications or official purchase descriptions as listed in reference (c).

c. Nonstandard Lubricants. Nonstandard lubricants as stated herein are defined as lubricants procured on a brand or trade name basis, without reference to a federal or military specification or to a purchase description.

5. Policy. It is the policy of the Naval Air Systems Command (NAVAIR) that standard lubricants will be used in all vehicles and or equipments designed, procured, and used by NAVAIR or any of its activities. To ensure the proper selection of lubricants, reference (b) will be invoked in all equipment and

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design specifications and new procurement documentation and lubricants list will be provided to NAVAIRHQ Materials and Processes Branch (ATR-5304) for approval.

6. Action

a. Action addressees will

(1) ensure that reference (b) is imposed on all NAVAIR sponsored designs, developments, and acquisitions;

(2) ensure that all related specifications impose reference (b) as a requirement for lubricant selection;

(3) ensure that procurement requests, solicitations, and contracts include reference (d) in all contract data requirements lists (CDRL) with the approval of the lubricant list prior to acceptance of the first unit;

(4) ensure that government furnished equipment (GFE) and off-the-shelf procured equipment will be capable of operating with standard lubricants as identified in reference (c);

(5) ensure that applicable AIRTASKS and work units to field activities include an appropriate reference to this instruction; and

R (6) forward all lubrication lists to ATR-5304 for approval.

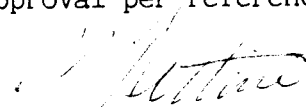
R b. Air Vehicle Division (ATR-530) will

R (1) designate a central focal point, within ATR-5304, responsible for lubricants;

(2) coordinate power-plant lubricant requirements with the Propulsion & Power Division (ATR-536);

(3) approve all lubricant lists provided per reference (b), ensuring that standard lubricants, reference (c), are used or that there is adequate justification for using nonstandard lubricants; and

R (4) refer all new lubricant requirements to the Commanding Officer, Navy Petroleum Office (NAVPETOFF) for approval per reference (a).


J. J. BETTINO
Acting Assistant Commander
for Systems and Engineering

Distribution (see next page)

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